

Title (en)
DYE TUBE

Publication
EP 0166227 B1 19890823 (DE)

Application
EP 85106439 A 19850524

Priority
DE 8416028 U 19840525

Abstract (en)
[origin: EP0166227A1] 1. Dye-tube, which can be used with direct coil loading and for wet treatment and further treatment of threads and yarns, with an essentially cylindrical jacket which is formed by end rings (1, 2) arranged at its ends, one of which is provided with a thread reserve groove (6), and by intermediate rings (3) with an approximately rectangular cross section arranged parallel between the end rings (1, 2), which are connected with one another and with the end rings (1, 2) by webs (7), which run axially from one end ring (1, 2) to the other, and extend radially outwardly at the most to the cylindrical surface defined by the outer faces of the end rings (1, 2) and the intermediate rings (3), whereby one end ring (2) is provided with a centering mounting (11) and the other end ring (1) with a centering fitting (5) matched to the mounting (11), characterised in that the distance between the adjacent intermediate rings (3) or between an adjacent ring (3) and an end ring (1, 2) is at the most 75% of the width of the adjacent intermediate ring (3), in that the apertures of the openings (10) created by the rings and the webs are of differing size over the height of the dye-tube and in that the cross section of the webs (7) is reduced radially outwards.

IPC 1-7
D06B 23/04

IPC 8 full level
D06B 23/04 (2006.01)

CPC (source: EP)
D06B 23/042 (2013.01)

Cited by
EP0312508A1; EP0268565A1; US6032890A; EP0472507A1; GB2199805A; GB2199805B

Designated contracting state (EPC)
BE CH DE FR GB IT LI

DOCDB simple family (publication)
EP 0166227 A1 19860102; EP 0166227 B1 19890823; DE 3572514 D1 19890928; DE 8416028 U1 19840830

DOCDB simple family (application)
EP 85106439 A 19850524; DE 3572514 T 19850524; DE 8416028 U 19840525